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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/792,180	03/03/2004	James T. Russell	02-68	4931
30031	7590 06/22/2006		EXAMINER	
MICHAEL W. HAAS, INTELLECTUAL PROPERTY COUNSEL RESPIRONICS, INC. 1010 MURRY RIDGE LANE			TANINGCO, MARCUS H	
			ART UNIT	PAPER NUMBER
MURRYSVII	LLE, PA 15668		2884	

DATE MAILED: 06/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Anuliantian Na					
	Application No.	Applicant(s)				
Office Action Summer	10/792,180	RUSSELL, JAMES Ţ.				
Office Action Summary	Examiner	Art Unit				
	Marcus H. Taningco	2884				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status		V .				
1) Responsive to communication(s) filed on <u>05 J</u>	une 2006					
	s action is non-final.					
3) Since this application is in condition for allowa		osecution as to the marits is				
closed in accordance with the practice under I						
closed in accordance with the practice under a	ex parte quayio, 1000 O.B. 11, 4	00 0.0. 210.				
Disposition of Claims .						
4)⊠ Claim(s) <u>1-3,6,10 and 12-16</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1-3,6,10 and 12-16</u> is/are rejected.						
7) Claim(s) is/are objected to						
8) Claim(s) are subject to restriction and/o	or election requirement.	·				
Application Papers		•				
9) The specification is objected to by the Examine		to by the Everniner				
10)⊠ The drawing(s) filed on <u>05 August 2004</u> is/are:	· · · · · · · · · · · · · · · · · · ·	·				
Applicant may not request that any objection to the	- · · ·					
Replacement drawing sheet(s) including the correct	•					
11) The oath or declaration is objected to by the E	xaminer. Note the attached Office	e Action of form P1O-152.				
Priority under 35 U.S.C. § 119	•					
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 119(a	ı)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority document						
2. Certified copies of the priority document						
3. Copies of the certified copies of the price.	•	ed in this National Stage				
application from the International Burea	• • • •					
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
	•					
Attachment(s)	•	·				
1) Notice of References Cited (PTO-892)	4) Interview Summary	, (PTO-413)				
2) DNotice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	Pate				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:						

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/5/06 has been entered.

Response to Amendment

Amendments filed 5/5/06 has been entered. Claims 1-3, 6, 10, and 12-16 are subject to examination herein.

Response to Arguments

Applicant's arguments with respect to claims 1-3, 6, 10, and 12-16 have been considered but are moot in view of the new ground(s) of rejection. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., the inlet and outlet path are not at a 90 degree angle with respect to the main gas flow path) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

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Claim Objections

Claim 12 is objected to because of the following informalities: The phrase "wherein the gas inlet, the gas outlet, and the gas flow passage are disposed in a Z configuration," is repeated. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 10 rejected under 35 U.S.C. 103(a) as being unpatentable over Brunamoti et al. (US 2001/0048079) in view of Sukigara et al (US 4,622,464).

Re claims 1 and 10, Brunamoti discloses a gas analyzer comprising: an infrared source 30, an infrared detector 40, a sample cell 17 adapted to be disposed between the source 30 and detector 40, wherein the sample cell 17 includes a gas inlet 15 at a first end portion of the sample cell 17, a gas outlet 16 at a second end portion of the sample cell 17, and a gas flow passage defined in the sample cell 17 between the gas inlet 15 and the gas outlet 16, wherein the gas flow passage is generally parallel to the optical path 80 between the source 30 and the detector 40 such that the gas flow passage defines a sample chamber 12, wherein a length of the gas flow passage defining the sample chamber 12 is greater than a width of the gas flow passage, and wherein at least a portion of a wall defining the gas flow passage includes an infrared reflective

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surface [0053] (Figs. 1-3). Although Brunamoti fails to teach the gas inlet, the gas outlet, and the gas flow passage are disposed in a Z configuration, Sukigara teaches an infrared gas analyzer

comprising a gas inlet 15, a gas outlet 16, and a gas flow passage disposed in a Z configuration

(Fig. 4a). It would have been obvious to one with ordinary skill in the art at the time the

invention was made to modify Brunamoti with the Z configuration taught by Sukigara in order to

provide uniform gas flow.

Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brunamoti et al. and Sukigara, as applied to claim 1 above, and further in view of Eckles (US 6,369,387).

Re claims 2 and 3, Brunamoti teaches a portion of a wall defining the gas flow passage includes an infrared reflective surface [0053], but fails to specify the type of material. Eckles teaches the use of gold, a high index material, to reflect infrared beams (Col. 4, 26-29). Thus, it would have been obvious to one with ordinary skill in the art at the time the invention was made to modify the material 18 taught by Brunamoti to include gold in order to increase reflectance.

Claims 6 and 12-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brunamoti et al. and Sukigara, and further in view of O'Leary (US 2002/0153490).

Re claims 6 and 12-16, Brunamoti discloses a gas analyzer comprising: an infrared source 30, an infrared detector 40, a sample cell 17 adapted to be disposed between the source 30 and detector 40, wherein the sample cell 17 includes a gas inlet 15 at a first end portion of the sample cell 17, a gas outlet 16 at a second end portion of the sample cell 17, and a gas flow passage defined in the sample cell 17 between the gas inlet 15 and the gas outlet 16, wherein the gas flow passage is generally parallel to the optical path 80 between the source 30 and the

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detector 40 such that the gas flow passage defines a sample chamber 12, wherein a length of the gas flow passage defining the sample chamber 12 is greater than a width of the gas flow passage, and wherein at least a portion of a wall defining the gas flow passage includes an infrared reflective surface [0053] (Figs. 1-3). Brunamoti fails to disclose a high numerical aperture lens. O'Leary teaches a concentration detection system comprising a high numerical aperture lens 86 disposed to collimate radiation received from the source [0040]. It would have been obvious to one with ordinary skill in the art at the time the invention was made to modify Brunamoti to include the lens taught by O'Leary in order to integrate the collimated radiation passing through the sample cell evenly over the detector. Furthermore, although Brunamoti fails to teach the gas inlet, the gas outlet, and the gas flow passage are disposed in a Z configuration, Sukigara teaches an infrared gas analyzer comprising a gas inlet 15, a gas outlet 16, and a gas flow passage disposed in a Z configuration (Fig. 4a). It would have been obvious to one with ordinary skill in the art at the time the invention was made to modify Brunamoti with the Z configuration taught by Sukigara in order to provide uniform gas flow.

Re claims 13-16, Brunamoti discloses a system according to claim 1, but fails to disclose a high numerical aperture lens. O'Leary teaches a concentration detection system comprising a high numerical aperture (half-ball) lens 86 disposed to collimate radiation received from the source [0040]. It would have been obvious to one with ordinary skill in the art at the time the invention was made to modify Brunamoti to include the lens taught by O'Leary in order to integrate the collimated radiation passing through the sample cell evenly over the detector.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Marcus H. Taningco whose telephone number is (571) 272-1848.

The examiner can normally be reached on M - F 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Dave Porta can be reached on (571) 272-2444. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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